Index of Claims

| Applicat | tion/( | Contro | l No. |
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10/786,046

Examiner

Paul A. Wartalowicz

Applicant(s)/Patent under Reexamination

TAKESHIMA, SHINICHI

Art Unit

1754

Rejected

**Allowed** 

(Through numeral) Cancelled Restricted

Non-Elected Interference

Appeal Α 0 Objected

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| Cla                    | im       | 1       | <b>3</b> —                                       | Date         |                |              |  | l í  | Cla  |                | Date |       |          |          |          |          |              |  |  |   |
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|                        | 4        | H       | T  | $\vdash$     |                | $\vdash$     | 十一   |  | $\vdash$   | ┢              | 1 1  |       | 54       | $\vdash$ | $\vdash$ |          | -            | $\vdash$   | ⊢  | t |
|                        | 5        | H       | ı  | ✝            | T              | t            | T  | <del>                                     </del> | T  | t              | 1 1  |       | 55       | ╁╌       |          | -        |              | ┢  | ┢  | t |
|                        | 6        | H       | İΤ   | T            | 1-             |              | $\vdash$   | $\vdash$   | $\vdash$   | Г              | 1 1  |       | 56       |          | _        |          | $\vdash$     | $\vdash$   | ╁─   | t |
| $\vdash$               | 7        | H       | <del>                                     </del> | 1            |                |              | <del>                                     </del> | 1  | 1  | T              | i i  |       | 57       | H        | _        | $\vdash$ | -            |  | ┢  | t |
|                        | 8        | П       |  | Т            |                |              |  | T  | İΤ   |                | 1    |       | 58       |          | _        | $\vdash$ |              | $\vdash$   | ┢  | t |
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|                        | 16       |         | L  | L            |                |              | L  |  |  |                |      |       | 66       |          |          |          |              |  |  | Ι |
|                        | 17       |         |  | _            |                |              |  |  |  |                |      |       | 67       |          |          |          |              |  |  | Γ |
|                        | 18       |         |  | _            |                | 匚            | _  |  |  |                |      |       | 68       |          |          |          |              |  |  | Ι |
|                        | 19       | <u></u> | <u> </u>   | L            | <u> </u>       |              |  |  |  |                |      |       | 69       |          |          |          |              |  |  | Γ |
|                        | 20       |         |  | L            | L              | L            | L  | 乚  | L  |                |      |       | 70       |          |          |          |              |  |  | Γ |
|                        | 21       |         | _  | _            |                | L            | 乚  |  |  |                | ] [  |       | 71       |          |          |          |              |  |  | Ι |
|                        | 22       | _       | <u> </u>   | L            |                |              |  |  |  |                | ] [  |       | 72       |          |          |          |              |  |  | Γ |
|                        | 23       | _       | L  | L            | _              | _            | L  |  |  |                | ] [  |       | 73       |          |          |          |              |  |  | Γ |
|                        | 24       |         | <u> </u>   | _            |                | _            | 匚  | _  | <u>_</u>   |                | ļļ   |       | 74       |          |          |          |              |  |  | I |
|                        | 25       | _       | L  | _            |                | L_           | L  | <u> </u>   | <u> </u>   | <u> </u>       |      |       | 75       |          |          |          |              |  |  | I |
| L                      | 26       |         | 匚  | _            | _              | ļ            |  | L_   |  | L.             |      |       | 76       |          |          |          | _            | <u> </u>   |  | L |
|                        | 27       |         | 匚  | <u> </u>     | _              |              |  | <u> </u>   | <u> </u>   | _              |      |       | 77       | Ш        |          |          |              |  |  | L |
|                        | 28       |         | <u> </u>   | _            | _              | _            | _  | 匚  | <u> </u>   | <u>L</u>       |      |       | 78       | Ш        |          |          | _            |  | _  | Ļ |
|                        | 29       |         | 느  | $\vdash$     | <u> </u>       | _            | _  | _  | _  | L              |      |       | 79       | Ш        |          |          |              |  |  | Ļ |
| _                      | 30       | _       | _  | L            | <u> </u>       | _            |  |  | _  |                |      |       | 80       |          |          |          | ᆫ            | _  | _  | Ļ |
|                        | 31       | _       | _  | <u> </u>     | <u> </u>       | _            | _  | _  | <u> </u>   | _              |      |       | 81       | Ц        |          |          | L            | L.   | L  | ļ |
|                        | 32       | _       | _  | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>   | <u> </u>   | <del> </del>                                     | <u> </u>       |      |       | 82       | Ш        |          | _        | L.,          | <u> </u>   | L  | L |
|                        | 33       | _       | <b> </b>   | ├—           | <u> </u>       | <u> </u>     |  | _  | ┞—   | <u> </u>       |      |       | 83       | Ш        |          |          | <u> </u>     | _  | <u> </u>   | L |
| $\vdash \vdash$        | 34       |         | <u> </u>   | ⊢            | <del> </del>   | <u> </u>     | -  | <b> </b>   | <del>                                     </del> | <u> </u>       | -    |       | 84       | Ш        |          | _        | <u> </u>     | <u> </u>   | $\vdash$   | Ļ |
|                        | 35       |         | <u> </u>   | <del> </del> | <u> </u>       |              |  | <b> </b>   | <u> </u>   | <u> </u>       |      |       | 85       | Щ        |          |          | <u> </u>     | Щ  | $\vdash$   | ļ |
| $\vdash\vdash\vdash$   | 36<br>37 |         | -  | ├—           | ├—             | <u> </u>     | <u> </u>   | -  |  | <u> </u>       |      |       | 86       | Щ        |          |          | _            | L  | <u> </u>   | Ļ |
|                        |          |         | -  |              | <del>  -</del> | <u> </u>     | <u> </u>   | -  | ├  | <u> </u>       |      |       | 87       | $\vdash$ | _        |          | <u> </u>     | <u> </u>   |  | Ļ |
| $\vdash$               | 38<br>39 | _       | <u> </u>   | $\vdash$     | ⊢              | <u> </u>     | <b>-</b>   | -  | <u> </u>   | L              |      |       | 88       | $\vdash$ | _        |          | <u> </u>     | <u> </u>   | <u> </u>   | Ļ |
| $\vdash \vdash$        | 40       | _       | -  | $\vdash$     | $\vdash$       | H            |  | $\vdash$   | $\vdash$   | <del>  -</del> |      |       | 89       | $\vdash$ | $\dashv$ |          | <u> </u>     | Ш  | <b>—</b>   | Ł |
| $\vdash$               | 41       | -       | $\vdash$   | $\vdash$     | <u> </u>       | H            | H-   | <del>                                     </del> | $\vdash$   | -              |      |       | 90       | $\vdash$ | -        |          | <del> </del> |  | <u> </u>   | + |
| $\vdash\vdash\vdash$   | 42       | _       | -  | $\vdash$     |                |              | $\vdash$   | $\vdash$   | ⊢  | -              |      |       | 91<br>92 | $\vdash$ | _        |          | <u> </u>     | H  | -  | ╀ |
| $\vdash\vdash\vdash$   | 43       | _       | $\vdash$   | $\vdash$     | $\vdash$       | $\vdash$     | $\vdash$   | -  | H-   | -              |      |       | 93       | $\vdash$ | $\dashv$ |          | $\vdash$     | $\vdash$   | ├-   | ł |
| $\vdash \dashv$        | 44       |         |  | -            | -              | -            | -  | $\vdash$   | $\vdash$   | -              | }    |       | 94       | $\vdash$ | -        | _        | $\vdash$     | H  | <del> </del>                                     | ╀ |
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|                        | 49       | _       | $\vdash$   | Н            | Н              | $\vdash$     | $\vdash$   | -  | $\vdash$   | $\vdash$       |      | _     | 99       | $\vdash$ | $\dashv$ |          | $\vdash$     | Н  |  | H |
| $\vdash \vdash \vdash$ | 50       | _       |  | Н            | Н              | Н            |  | Н  |  | $\vdash$       |      |       | 100      | $\dashv$ | ᅱ        | _        |              | H  | —  | H |
|                        |          |         | L  | لــــا       |                |              | لـــا  |  | Щ.   |                | L    |       | 100      | $\sqcup$ |          |          | Щ.           | ш  |  | L |

| <u> </u> | Claim                      |          | Date     |          |  |          |  |  |          |  |  |  |  |
|----------|----------------------------|----------|----------|----------|--|----------|--|--|----------|--|--|--|--|
| Finat    | Original                   |          |          |          |  |          |  |  |          |  |  |  |  |
|          | 51                         |          |          | <u> </u> |  |          | Г  |  |          | $\vdash$   |  |  |  |
|          | 51<br>52                   | ┢        | ┢        | 一        | <del>                                     </del> | $\vdash$ | 1  | H  | 1        | <del>                                     </del> |  |  |  |
| -        | 53                         | ┢        | $\vdash$ | $\vdash$ | -  | $\vdash$ | $\vdash$   | ┢  | $\vdash$ | ┢  |  |  |  |
| -        | 54                         | ⊢        | $\vdash$ | ┝        | -  | ⊢        | ⊢  | ⊢  | ⊢        | ⊢  |  |  |  |
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| -        | 55                         | ├        | -        | ├        | ⊢  | <u> </u> | ├  | ┡  |          | -  |  |  |  |
| -        | 56                         | <u> </u> | <u> </u> | L        | <u> </u>   | ļ        | ┡  | <u> </u>   | <u> </u> | <u> </u>   |  |  |  |
|          | 57                         | _        | _        | _        | _  | <u> </u> | L.   | _  | L        |  |  |  |  |
|          | 58                         | _        | _        | _        | _  | L        | <u> </u>   |  | <u> </u> | L  |  |  |  |
| <u> </u> | 59                         | _        | L        |          | _  | L_       |  | $ldsymbol{ld}}}}}}$ | <u>L</u> | L  |  |  |  |
|          | 60<br>61                   |          |          | <u> </u> |  | _        |  |  | _        | _  |  |  |  |
|          | 61                         | L        |          |          |  | _        |  |  |          |  |  |  |  |
| <u> </u> | 62                         | <u> </u> |          |          |  | L_       |  |  |          |  |  |  |  |
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|          | l 64                       | "        |          |          |  |          |  |  | Г        |  |  |  |  |
|          | 65                         |          |          | Г        |  |          |  |  |          |  |  |  |  |
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|          | 81                         |          |          | _        |  | $\vdash$ | $\vdash$   |  |          | $\vdash$   |  |  |  |
|          | 82                         | П        |          |          |  | -        | 一  | _  | $\vdash$ | -  |  |  |  |
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|          | 98                         | $\vdash$ |          | $\vdash$ | $\vdash$   | -        | $\vdash$   | -  | $\vdash$ | $\vdash$   |  |  |  |
|          | 99                         | $\vdash$ | -        | $\vdash$ | $\vdash$   | Н        | -  | $\vdash$   | Н        |  |  |  |  |
|          | 100                        | -        | _        | $\vdash$ |  | -        |  |  | H        | _  |  |  |  |

| Cla   | aim                             | Date           |          |                |          |              |              |              |              |                 |  |  |
|-------|---------------------------------|----------------|----------|----------------|----------|--------------|--------------|--------------|--------------|-----------------|--|--|
|       |                                 |                | Г        | Г              | П        |              | Ť            | Ι            | Ι-           |                 |  |  |
| Final | Original                        |                |          |                |          |              |              |              |              |                 |  |  |
|       | 101                             |                |          |                |          |              |              |              |              |                 |  |  |
|       | 102<br>103                      | _              |          |                |          |              |              |              | L            |                 |  |  |
|       | 103                             | L              |          | L              | <u></u>  | _            |              | L            | L            |                 |  |  |
|       | 104                             |                | <u> </u> | L              | L        | L            | L            | $oxed{oxed}$ | L            | Ш               |  |  |
|       | 105<br>106                      |                | 乚        | _              | L        | _            |              | L            | <u> </u>     | Ш               |  |  |
|       | 106                             |                |          | _              |          | <u> </u>     |              | L            |              | Ш               |  |  |
|       | 107                             |                | _        |                |          | L.           | _            | L            | <u> </u>     | Ш               |  |  |
|       | 108                             | _              | <u> </u> |                |          | <u> </u>     | <u> </u>     | L_           | _            | Щ               |  |  |
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|       | 124                             |                |          |                |          | Ī            |              | Т            | $\vdash$     | П               |  |  |
|       | 124<br>125                      |                |          |                |          |              |              |              |              | П               |  |  |
|       | 126                             |                |          |                |          |              |              |              |              |                 |  |  |
|       | 127<br>128<br>129<br>130<br>131 |                |          |                |          |              | <u> </u>     |              |              | Ш               |  |  |
|       | 128                             |                |          |                |          | _            | _            |              |              | Ш               |  |  |
|       | 129                             |                | L_       |                | _        | _            | _            |              |              | Ш               |  |  |
|       | 130                             |                | $\vdash$ |                | _        | $\vdash$     | _            | _            | <u> </u>     | Н               |  |  |
|       | 131                             |                | -        | H              |          |              | <u> </u>     | _            | <u> </u>     | Н               |  |  |
|       | 132<br>133                      | -              | -        | <u> </u>       | _        | ⊢            | $\vdash$     |              |              | $\vdash$        |  |  |
|       | 134                             |                |          | $\vdash$       |          | $\vdash$     | $\vdash$     | -            | -            | Н               |  |  |
|       | 135                             | _              |          |                | _        | $\vdash$     | -            |              | ├            | Н               |  |  |
|       | 136                             | _              |          |                | _        | $\vdash$     | _            |              | $\vdash$     | Н               |  |  |
|       | 137                             | _              |          | _              | -        | $\vdash$     |              |              |              |                 |  |  |
|       | 138                             |                |          |                |          |              |              | _            | $\vdash$     | П               |  |  |
|       | 138<br>139                      |                |          |                |          |              |              |              |              | П               |  |  |
|       | 140                             |                |          |                |          |              |              |              |              |                 |  |  |
|       | 141                             |                | Ш        | П              |          |              |              |              |              | $\Box$          |  |  |
|       | 142                             |                | Ш        |                |          | $oxed{oxed}$ |              | L            |              | Ш               |  |  |
|       | 143                             |                | $\sqcup$ | L              | <u> </u> | L            | _            | L            | L.,          |                 |  |  |
|       | 144                             |                | Ш        | !              |          | <u> </u>     |              | _            | <u> </u>     |                 |  |  |
|       | 145                             |                |          |                | _        | _            | <u> </u>     |              | _            | $\sqcup$        |  |  |
|       | 146                             |                | $\vdash$ | $\vdash\vdash$ |          | <u> </u>     | <u> </u>     | _            | <u> </u>     | Щ               |  |  |
|       | 147<br>148                      | _              | $\vdash$ | $\vdash$       |          | $\vdash$     | -            |              | -            | $\vdash \dashv$ |  |  |
|       | 149                             | _              | $\vdash$ | Н              | _        | -            | -            | -            | $\vdash$     | Н               |  |  |
|       | 150                             |                | $\vdash$ |                |          | Η,           |              | -            | -            | Н               |  |  |
|       | 130                             |                | ш        | لبــا          | نيسا     | $\Box$       |              |              |              | ш               |  |  |